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# 32nd International Symposium on Lattice Field Theory (Lattice 2014)

## Monday 23 June 2014

### Nonzero temperature and Density: Parallel 1A - 501 NWC (14:15-15:55)

- Conveners: Ejiri, Shinji

time	title	presenter
14:15	Curvature of the QCD critical line with 2+1 HISQ fermions	COSMAI, Leonardo
14:35	The curvature of the QCD critical line from analytic continuation	MESITI, Michele
14:55	Phase diagram of QCD at finite isospin chemical potential with Wilson fermions	NONAKA, Chiho
15:15	QCD with Wilson fermions and isospin chemical potential at finite and zero temperature	RINDLISBACHER, Tobias
15:35	Status of the SU3 Lambda Scale	BERG, Bernd

### Nonzero temperature and Density: Parallel 1E - 329 Pupin (14:15-15:55)

- Conveners: Gattringer, Christof

time	title	presenter
14:15	Chiral restoration and deconfinement in two-color QCD with two flavors of staggered quarks	SCHEFFLER, David
14:35	Effective SU(2) Polyakov Loop Theories with Heavy Quarks on the Lattice	SCIOR, Philipp
14:55	The effective Polyakov loop theory for finite temperature Yang-Mills theory and QCD	BERGNER, Georg
15:15	Lattice simulations of G2-QCD at finite density I	VON SMEKAL, Lorenz
15:35	Lattice simulations of G2-QCD at finite density II	WELLEGEHAUSEN, Bjoern

### Nonzero temperature and Density: Parallel 2E - 329 Pupin (16:30-18:30)

- Conveners: Stamatescu, Ion-Olimpiu

time	title	presenter
16:30	Deconfinement transition as a black hole formation by the condensation of QCD string	HANADA, Masanori
16:50	Gluonic Correlations at Deconfinement	MENDES, Tereza
17:10	Locating the critical end-point of QCD	FISCHER, Christian
17:30	Quark number density at imaginary chemical potential and its extrapolation to large real chemical potential by the effective model	TAKAHASHI, Junichi
17:50	Temperature dependence of meson screening masses; a comparison of effective model with lattice QCD	ISHII, Masahiro
18:10	Renormalization group flow of linear sigma model with UA(1) anomaly	SATO, Tomomi

### Nonzero temperature and Density: Parallel 2A - 501 NWC (16:30-18:30)

**- Conveners: Levkova, Ludmila**

time	title	presenter
16:30	Fluctuations of the electric charge in theory and experiment	BORSANYI, Szabolcs
16:50	Thermodynamics of heavy-light hadrons	DING, Heng-Tong
17:10	Exploring the QCD phase diagram with conserved charge fluctuations	SCHMIDT, Christian
17:30	Fluctuation effects on QCD phase diagram at strong coupling	ICHIHARA, Terukazu
17:50	On curing the divergences in the quark number susceptibility	GAVAI, Rajiv
18:10	The Combinatorics of Lattice QCD at Strong Coupling	UNGER, Wolfgang

## Tuesday 24 June 2014

### **Nonzero temperature and Density: Parallel 3A - 501 NWC (14:15-15:55)**

- Conveners: Gavai, Rajiv

time	title	presenter
14:15	The $N_f=3$ critical endpoint with smeared staggered quarks	VARNHORST, Lukas
14:35	Update on the critical endpoint of the finite temperature phase transition for three flavor QCD with clover type fermions	NAKAMURA, Yoshifumi
14:55	Scalar correlators near the 3-flavor thermal critical point	JIN, Xiao-Yong
15:15	Critical end point in $N_f=3$ QCD with finite density and temperature	TAKEDA, Shinji
15:35	Search for the chiral phase transition in three flavor QCD at imaginary chemical potential	TOTH, Balint

### **Nonzero temperature and Density: Parallel 4A - 501 NWC (16:30-18:10)**

- Conveners: Schmidt, Christian

time	title	presenter
16:30	Canonical approach to the finite density QCD with winding number expansion	TANIGUCHI, Yusuke
16:50	Complex Langevin dynamics for $SU(3)$ gauge theory in the presence of a theta term	BONGIOVANNI, Lorenzo
17:10	Exploring the phase diagram of QCD with complex Langevin simulations	JAEGER, Benjamin
17:30	Towards exact worldline models of lattice gauge theory at finite density	VAIRINHOS, Helvio
17:50	Solution of simple toy models via thimble regularization of lattice field theory	GIOVANNI, Eruzzi

## Wednesday 25 June 2014

### **Nonzero temperature and Density: Parallel 5A - 501 NWC (09:00-10:40)**

- Conveners: Heller, Urs

time	title	presenter
09:00	Axial U(1) symmetry at finite temperature with Mobius domain-wall fermions	COSSU, Guido
09:20	Effects of near-zero Dirac eigenmodes on axial U(1) symmetry at finite temperature	TOMIYA, Akio
09:40	Dirac eigenmodes at the QCD Anderson transition	KOVACS, Tamas G.
10:00	Understanding localisation in QCD through an Ising-Anderson model	GIORDANO, Matteo
10:20	Chiral transition as Anderson transition	PITTLER, Ferenc

### **Nonzero temperature and Density: Parallel 6A - 501 NWC (11:10-13:10)**

- Conveners: Ding, Heng-Tong

time	title	presenter
11:10	Charmonium spectra and dispersion relation with improved Bayesian analysis in lattice QCD	IKEDA, Atsuro
11:30	Mesonic spectral functions and transport properties in the quenched QCD continuum	MEYER, Florian
11:50	Temperature dependence of bottomonium spectral functions	HARRIS, Tim
12:10	Charmonium spectral functions from 2+1 flavour lattice QCD	PASZTOR, Attila
12:30	Quark mass dependence of quarkonium properties at finite temperature	OHNO, Hiroshi
12:50	The in-medium heavy quark potential from quenched and dynamical lattice QCD	ROTHKOPF, Alexander

# Thursday 26 June 2014

## **Nonzero temperature and Density: Parallel 7A - 501 NWC (14:15-16:35)**

- Conveners: Borsanyi, Szabolcs

time	title	presenter
14:15	Thermodynamics in the fixed scale approach with the shifted boundary conditions	UMEDA, Takashi
14:35	Multipoint reweighting method and beta-functions for the calculation of QCD equation of state	IWAMI, Ryo
14:55	QCD Thermodynamics With Continuum Extrapolated Wilson Fermions	TROMBITAS, Norbert
15:15	Recent results on the Equation of State of QCD	KRIEG, Stefan
15:35	The QCD Equation of State	BHATTACHARYA, Tanmoy
15:55	The QCD Equation of State at order $\mu_B^4$	HEGDE, Prasad
16:15	The QCD Phase Transition with Three Physical-Mass Pions	SCHROEDER, Chris

## Friday 27 June 2014

### **Nonzero temperature and Density: Parallel 8A - 501 NWC (14:15-15:55)**

- Conveners: Mendes, Tereza

time	title	presenter
14:15	Deconfining temperatures in SO(N) and SU(N) gauge theories	LAU, Richard
14:35	The density of states from first principles	PELLEGRINI, Roberto
14:55	A novel density of state method for complex action system	BIAGIO, Lucini
15:15	Quark number susceptibilities from fugacity expansion at finite chemical potential	SCHADLER, Hans-Peter
15:35	Shear Viscosity from Lattice QCD	MAGES, Simon

### **Nonzero temperature and Density: Parallel 9A - 501 NWC (16:30-18:30)**

- Conveners: Endrodi, Gergely

time	title	presenter
16:30	Effective Polyakov line actions, and their solutions at finite chemical potential	GREENSITE, Jeff
16:50	Chiral dynamics in the low-temperature phase of QCD	ROBAINA, DANIEL
17:10	Two-color QCD with chiral chemical potential	KOTOV, Andrey
17:30	Deconfinement transition in two-flavour lattice QCD with dynamical overlap fermions in an external magnetic field	KOCHETKOV, Oleg
17:50	Magnetic properties of the QCD medium	MARITI, Marco
18:10	Effects of an external magnetic field on the QGP	LEVKOVA, Ludmila